

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P940755

Luminaire Tested: **GALN-SB4A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14715 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



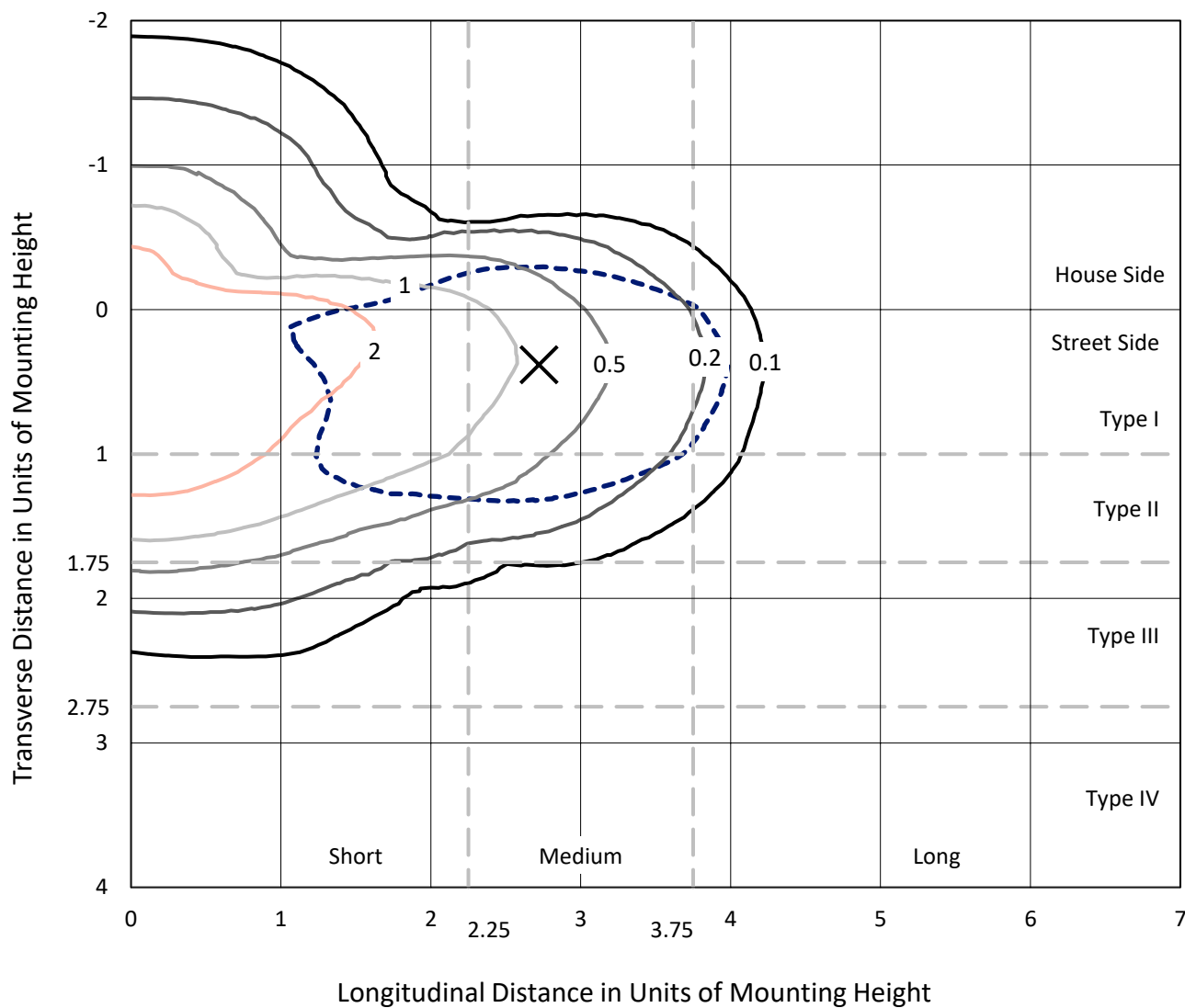
REPORT NUMBER: P940755

CATALOG NUMBER: GALN-SB4A-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

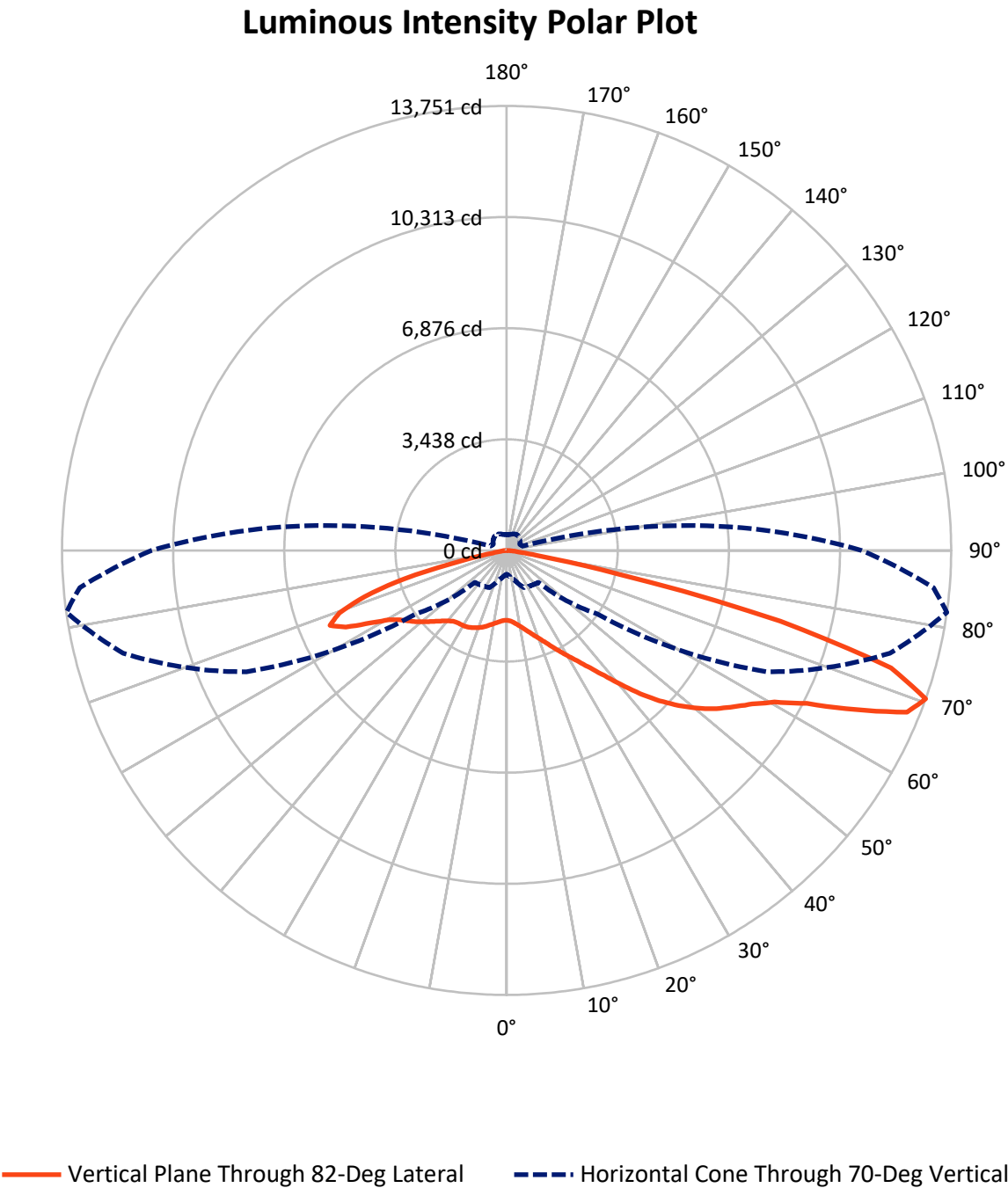
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P940755
CATALOG NUMBER: GALN-SB4A-722-U-T2



REPORT NUMBER: P940755

CATALOG NUMBER: GALN-SB4A-722-U-T2

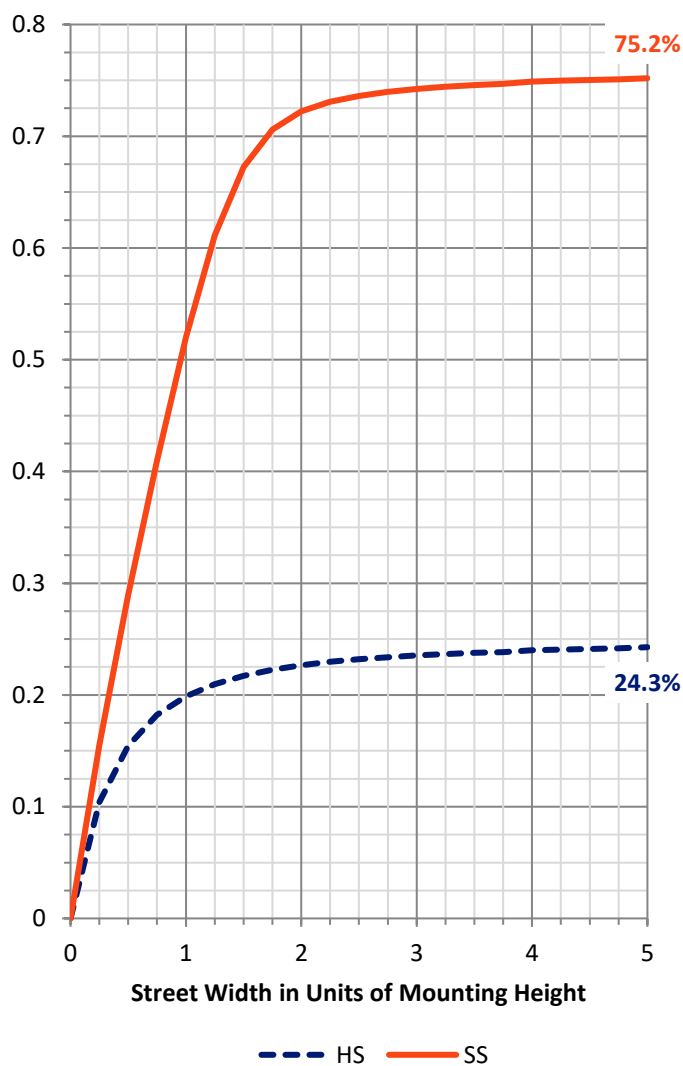
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3627.6	0.0	3627.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11087.4	0.0	11087.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	14715.0	0.0	14715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	1.4
10°-20°	585.2	4.0
20°-30°	979.0	6.7
30°-40°	1529.5	10.4
40°-50°	2435.9	16.6
50°-60°	3389.9	23.0
60°-70°	3546.0	24.1
70°-80°	1853.3	12.6
80°-90°	192.4	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14715.0	100.0
0°-180°	14715.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940755

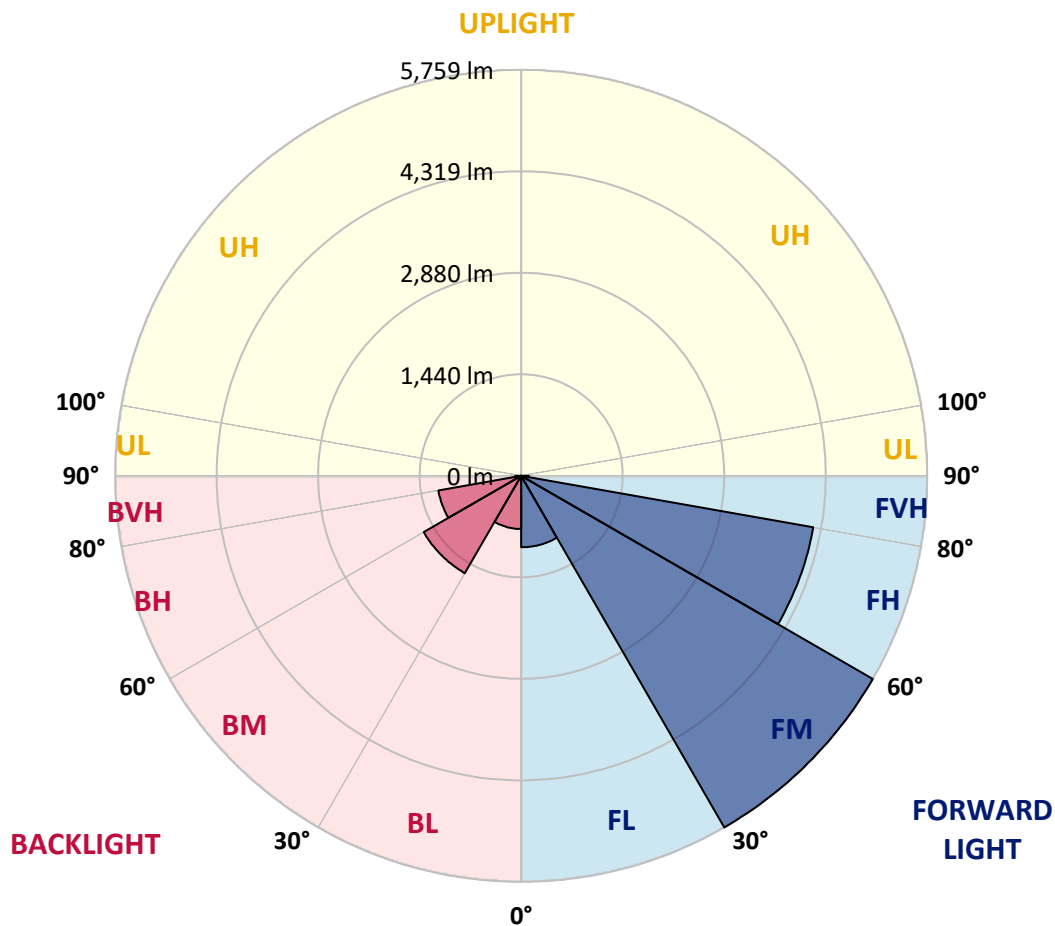
CATALOG NUMBER: GALN-SB4A-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1013.3	6.9			
FM	(30°-60°)	5759.3	39.1			
FH	(60°-80°)	4207.1	28.6			G2/5000
FVH	(80°-90°)	107.7	0.7			G2/225
BL	(0°-30°)	754.7	5.1	B2/1000		
BM	(30°-60°)	1596.0	10.8	B2/2500		
BH	(60°-80°)	1192.2	8.1	B3/2500		G3/2500
BVH	(80°-90°)	84.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P940755

CATALOG NUMBER: GALN-SB4A-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4
2.5°	2208.9	2221.4	2217.5	2213.6	2213.6	2208.2	2207.4	2199.6	2193.3	2183.2	2180.8
5°	2237.0	2250.3	2248.8	2251.9	2262.0	2264.4	2266.7	2262.0	2249.5	2237.0	2231.6
7.5°	2212.1	2226.9	2231.6	2250.3	2281.6	2309.7	2330.7	2339.3	2327.6	2309.7	2301.1
10°	2127.7	2144.1	2160.5	2205.0	2260.5	2326.8	2383.1	2416.6	2414.3	2397.1	2382.3
12.5°	1956.7	1973.9	2009.0	2095.7	2197.2	2314.3	2419.0	2489.3	2513.5	2501.0	2475.2
15°	1820.1	1834.9	1861.5	1950.5	2082.4	2260.5	2432.3	2568.9	2630.6	2623.6	2592.3
17.5°	1816.2	1822.4	1838.8	1881.0	1982.5	2176.1	2418.2	2647.0	2764.9	2764.1	2725.1
20°	1884.9	1887.2	1896.6	1905.2	1963.0	2112.1	2382.3	2711.8	2915.6	2915.6	2873.4
22.5°	1980.2	1978.6	1988.0	1980.2	2008.3	2106.6	2359.6	2768.8	3083.5	3095.9	3042.9
25°	2123.0	2115.2	2112.9	2094.9	2100.4	2157.4	2384.6	2833.6	3282.6	3308.3	3242.0
27.5°	2313.6	2301.1	2292.5	2251.1	2237.0	2262.0	2461.1	2911.7	3504.3	3548.8	3464.5
30°	2561.9	2539.2	2526.7	2454.9	2404.1	2408.0	2576.7	3015.5	3736.2	3808.1	3701.1
32.5°	2900.7	2865.6	2832.0	2714.1	2621.2	2590.8	2725.8	3159.2	3987.6	4102.4	3965.0
35°	3280.2	3252.1	3216.2	3034.3	2891.4	2821.1	2927.3	3359.9	4282.0	4463.9	4285.1
37.5°	3645.6	3621.4	3638.6	3393.4	3209.2	3106.9	3191.2	3629.2	4645.1	4913.7	4686.5
40°	4023.6	4004.8	4007.2	3772.9	3558.2	3443.4	3511.3	3967.3	5061.3	5448.6	5169.0
42.5°	4434.3	4420.2	4373.4	4165.7	3924.4	3817.4	3879.9	4357.8	5507.9	6057.6	5698.4
45°	4894.2	4885.6	4841.9	4603.7	4327.3	4207.1	4291.4	4788.8	5956.9	6630.7	6230.2
47.5°	5291.6	5298.6	5293.2	5092.5	4805.9	4629.5	4730.2	5238.5	6374.6	7169.5	6740.0
50°	5482.9	5519.6	5573.5	5511.0	5333.0	5153.4	5172.9	5672.7	6772.8	7674.7	7228.8
52.5°	5383.0	5452.5	5599.3	5699.2	5767.9	5730.4	5678.1	6103.7	7147.6	8130.7	7691.1
55°	5010.5	5108.1	5351.7	5593.0	5943.6	6216.1	6284.8	6581.5	7513.0	8532.0	8128.3
57.5°	4332.0	4490.5	4709.1	5197.1	5787.4	6451.1	6992.2	7244.4	7900.3	8960.7	8585.9
60°	3168.6	3380.9	3652.7	4378.8	5240.9	6325.4	7594.2	8262.6	8450.8	9515.8	9181.7
62.5°	2027.8	2159.0	2408.8	3092.8	4083.7	5681.2	7778.5	9535.4	9383.9	10426.3	10074.9
65°	1388.3	1472.6	1701.4	2085.6	2639.9	4228.9	7285.0	10489.5	10865.9	11869.2	11602.2
67.5°	1008.8	1072.8	1268.1	1604.6	1720.1	2502.5	5653.1	10445.8	12306.5	13355.9	12940.5
70°	735.5	780.8	944.8	1268.1	1323.5	1392.2	3424.7	8879.5	12275.3	13751.0	13253.6
72.5°	545.0	576.2	686.3	983.8	1071.3	940.1	1695.2	6453.5	10548.1	12437.7	12038.7
75°	394.3	417.7	498.9	752.7	857.3	716.0	845.6	3771.4	7357.7	8749.1	8819.4
77.5°	301.4	319.4	372.5	551.3	686.3	537.2	524.7	1735.0	3488.7	3505.9	3702.6
80°	242.1	253.8	282.7	388.1	526.3	402.1	342.0	700.4	1102.5	933.1	979.1
82.5°	178.0	197.5	238.9	272.5	376.4	277.2	208.5	353.7	419.3	360.7	363.9
85°	101.5	114.8	144.5	195.2	240.5	169.4	119.5	156.9	195.2	160.1	142.9
87.5°	35.9	46.8	50.8	76.5	104.6	70.3	46.1	45.3	64.0	47.6	39.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940755

CATALOG NUMBER: GALN-SB4A-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4	2157.4
2.5°	2173.0	2169.1	2153.5	2132.4	2110.6	2089.5	2082.4	2067.6	2057.5	2052.0	2058.2
5°	2216.7	2204.3	2167.6	2120.7	2071.5	2018.4	1980.9	1946.6	1921.6	1898.2	1907.5
7.5°	2279.2	2257.3	2194.1	2112.1	2024.7	1936.4	1870.8	1820.9	1787.3	1765.4	1770.1
10°	2351.8	2318.3	2221.4	2098.8	1963.8	1837.3	1760.0	1717.0	1695.9	1684.2	1687.3
12.5°	2435.4	2387.7	2249.5	2068.4	1870.8	1726.4	1673.3	1660.8	1661.6	1662.4	1663.9
15°	2538.4	2472.1	2272.2	2002.0	1749.8	1641.3	1631.9	1652.2	1673.3	1683.4	1682.7
17.5°	2654.8	2561.1	2276.1	1892.7	1631.1	1586.6	1616.3	1660.0	1692.0	1706.1	1709.2
20°	2779.7	2651.7	2248.0	1738.1	1533.5	1542.1	1595.2	1651.4	1686.6	1704.5	1709.2
22.5°	2922.6	2748.5	2180.8	1575.7	1453.9	1493.7	1556.2	1610.8	1647.5	1665.5	1670.2
25°	3085.8	2857.0	2075.4	1439.0	1385.2	1439.0	1501.5	1546.8	1576.5	1592.9	1597.6
27.5°	3266.9	2970.2	1934.9	1330.5	1325.0	1382.8	1434.4	1469.5	1485.1	1497.6	1502.3
30°	3448.9	3073.3	1764.7	1248.5	1272.7	1327.4	1364.1	1379.7	1384.4	1386.7	1392.2
32.5°	3645.6	3162.3	1585.8	1180.6	1222.8	1273.5	1295.4	1302.4	1280.5	1265.7	1270.4
35°	3883.8	3257.6	1410.9	1126.7	1173.6	1217.3	1224.3	1218.1	1192.3	1161.9	1163.4
37.5°	4178.2	3376.3	1271.2	1088.5	1127.5	1156.4	1147.8	1146.2	1148.6	1112.7	1115.0
40°	4538.9	3530.9	1168.9	1058.8	1090.0	1096.3	1072.1	1085.3	1097.1	1042.4	1044.0
42.5°	4939.5	3717.5	1104.1	1038.5	1058.8	1044.0	1006.5	1021.3	1019.7	947.9	947.1
45°	5347.8	3920.5	1081.4	1023.7	1029.9	1000.2	958.8	962.7	930.0	865.1	867.5
47.5°	5753.9	4138.3	1095.5	1011.2	994.0	960.4	928.4	911.2	862.8	814.4	814.4
50°	6152.1	4367.1	1147.0	986.2	944.8	925.3	901.8	871.4	819.9	778.5	775.4
52.5°	6521.4	4597.5	1204.8	944.8	883.1	894.8	880.0	844.8	794.1	751.9	752.7
55°	6871.2	4827.8	1227.4	887.8	825.3	868.3	859.7	794.9	734.0	699.6	696.5
57.5°	7252.2	5105.0	1202.5	815.2	778.5	837.8	805.0	733.2	698.1	672.3	669.9
60°	7780.1	5539.9	1148.6	725.4	734.0	792.5	736.3	706.6	668.4	639.5	637.9
62.5°	8656.9	6351.2	1061.9	636.4	681.7	725.4	703.5	673.8	634.8	606.7	606.7
65°	9953.1	7478.7	898.7	566.9	623.1	659.8	668.4	638.7	598.1	568.4	570.0
67.5°	11046.2	8186.1	680.1	509.1	563.0	606.7	630.9	602.0	559.1	530.2	531.0
70°	10986.1	7672.3	519.2	452.1	509.9	554.4	585.6	563.0	516.9	489.6	491.9
72.5°	9757.9	6418.3	420.1	394.3	456.0	499.7	537.2	520.0	473.2	446.6	446.6
75°	7168.7	4556.1	335.8	335.8	388.8	442.7	484.1	473.2	430.2	411.5	406.0
77.5°	3021.8	1911.4	263.1	278.8	323.3	380.3	431.8	435.7	398.2	421.6	382.6
80°	803.5	527.1	200.7	219.4	253.8	313.9	375.6	374.0	333.4	311.5	289.7
82.5°	306.1	207.7	142.9	154.6	183.5	240.5	297.5	306.9	266.3	230.3	230.3
85°	117.9	89.0	88.2	92.9	107.0	159.3	224.9	232.7	200.7	170.2	175.7
87.5°	30.5	26.5	32.8	31.2	49.2	85.1	128.8	133.5	122.6	71.1	101.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)